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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/645,800	08/22/2003	Jin Hyung Ryu	HI-0174	9284
34610 7590 01/17/2007 FLESHNER & KIM, LLP P.O. BOX 221200		EXAMINER		
			DINH, DUC Q	
CHANTILLY,	VA 20153		ART UNIT PAPER NUMBER	
			2629	
SHORTENED STATUTOR	Y PERIOD OF RESPONSE	MAIL DATE	DELIVER	Y MODE
3 MONTHS		01/17/2007	PAPER	

Please find below and/or attached an Office communication concerning this application or proceeding.

If NO period for reply is specified above, the maximum statutory period will apply and will expire 6 MONTHS from the mailing date of this communication.

		Application No.	Applicant(s)			
Office Action Summary		10/645,800	RYU ET AL.			
		Examiner	Art Unit			
		DUC Q. DINH	2629			
The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply						
A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication. - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).						
Status						
 Responsive to communication(s) filed on 19 October 2006. This action is FINAL. This action is FINAL. Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213. 						
Disposition of Claims						
4) ⊠ Claim(s) 1-12 is/are pending in the application. 4a) Of the above claim(s) 9-12 is/are withdrawn from consideration. 5) □ Claim(s) is/are allowed. 6) ⊠ Claim(s) 1-8 is/are rejected. 7) □ Claim(s) is/are objected to. 8) □ Claim(s) are subject to restriction and/or election requirement.						
Application Papers						
 9) The specification is objected to by the Examiner. 10) The drawing(s) filed on is/are: a) accepted or b) objected to by the Examiner. Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a). Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d). 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152. 						
Priority under 35 U.S	.C. § 119					
12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received.						
Attachment(s)		_				
	n's Patent Drawing Review (PTO-948) e Statement(s) (PTO/SB/08)	4) Interview Summary (Paper No(s)/Mail Dat 5) Notice of Informal Pa 6) Other:	te			

Application/Control Number: 10/645,800

Art Unit: 2629

DETAILED ACTION

1. Applicant's election with traverse of Invention Group I, claims 1-8 with traverse in the reply filed on October 19, 2006.is acknowledged. The traversal is on the ground(s) that "if the search and examination of and entire application can be made without serious burden...". This is not found persuasive because different Inventions was filed (as indicated in the previous Office Action) require the examiner searches in different classes or sub-classes.

The requirement is still deemed proper and is therefore made FINAL.

Claim Rejections - 35 USC § 102

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

- (a) the invention was known or used by others in this country, or patented or described in a printed publication in this or a foreign country, before the invention thereof by the applicant for a patent.
- 3. Claims 1-8 are rejected under 35 U.S.C. 102(a) as being anticipated by Applicant Admitted Prior Art, hereafter, AAPA, pages 1-8, Figs 1-4.

In reference to claim 1 the AAPA discloses in Figs. 3-4 a conventional (page 8, lines 5-6) driving apparatus of a plasma display panel (PDP), comprising a multi-chip module (32) in which at least one control chip having a control circuit (ASIC 26) for controlling the PDP, and at least one memory (RAM 33) are mounted on a single package (32), wherein the multi-chip module is mounted on a printed circuit board (PCB) of a control board (13) [Paragraph 0023].

In reference to claim 2, the AAPA discloses the package is a ball grid type [0022].

In reference to claim 3, the AAPA discloses a control signal generated from the multichip module is transmitted to each driving unit via the PCB (Figs. 3-4; [0021-0022]. Application/Control Number: 10/645,800

Art Unit: 2629

In reference to claim 4, the AAPA discloses a driving apparatus of a PDP, comprising:

a control board (13) provided with a multi-chip module in which at least one control chip
having a control circuit (26) for controlling the PDP, and at least one memory (33) are mounted
on a single package (32);

a plurality of driving units (18A-18B of Figs. 3-4) for generating and applying a driving signal corresponding to a control signal generated from the control board (13); and a PDP (Fig. 4) for displaying an image by a plasma discharge according to the driving signal applied from each of the plurality of driving units [0020-0025].

In reference to claim 5, the AAPA discloses wherein the package is a ball grid type.

In reference to claim 6, the AAPA discloses the control board is provided with a printed circuit board (PCB) on which at least one package is mounted [0024].

In reference to claim 7, the AAPA discloses the control chip is an ASIC type having a control circuit (Figs, 3-4).

In reference to claim 8, Figs 3-4 of the AAPA shows the multi-chip module is mounted on the PCB ([0024].

Conclusion

4. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. See Form PTO 892.

Application/Control Number: 10/645,800

Art Unit: 2629

Any inquiry concerning this communication or earlier communications from the examiner should be directed to DUC O DINH whose telephone number is (571) 272-7686. The examiner can normally be reached on Mon-Fri from 8:00.AM-4:00.PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Richard Hjerpe can be reached on (571) 272-7691. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

DUC Q DINH Examiner

Art Unit 2629 uclinh

January 4, 2007